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future. In the administration of the national forests there is being developed gradually what I believe to be a truly scientific system for attaining a concrete economic end, a system of controlling certain correlated industries with a single purpose in view—the maximum of the welfare of the nation as a whole. In spite of many mistakes which we have undoubtedly made and which we have attempted to correct as we went along, in spite of the lack of practice and experience in solving the problems at hand, this new policy, it seems to me, has already proved entirely safe and workable.

HENRY S. GRAVES

U. S. FOREST SERVICE

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*MATHEMATICS, ASTRONOMY AND PHYSICS AT THE CALIFORNIA MEETING*

A JOINT session of the American Mathematical Society, the American Astronomical Society and Section A of the American Association for the Advancement of Science will be held on Tuesday, August 3, at the University of California, for the presentation of two addresses:

The Human Significance of Mathematics: by Professor C. J. Keyser, Columbia University, New York.

The Work of a Modern Observatory: by Dr. George E. Hale, Mount Wilson Solar Observatory.

On Friday, August 6, the American Astronomical Society and others interested in astronomical research will make an excursion to the Lick Observatory, Mount Hamilton, near San José. The director of the Mount Wilson Solar Observatory, near Pasadena, extends a cordial invitation to men of science interested in astronomical and physical research to visit the observatory either before or after the San Francisco meeting of the association.

Physicists are invited to attend a joint session for mathematics, astronomy and physics on Tuesday, August 3. One session of the meetings devoted to physics will give consideration to recent spectroscopical investigations.

On the occasion of the visit of the association to Stanford University on Wednesday, August 4, Professor Harris J. Ryan will give demonstrations with high potential electric currents in the new laboratory which has been equipped for high potential experimentation.

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*SCIENTIFIC NOTES AND NEWS*

DR. CHARLES H. HERTY, professor of chemistry in the University of North Carolina, has been elected president of the American Chemical Society for the year 1915. The address of the retiring president, Professor Theodore W. Richards, of Harvard University, written for the Montreal meeting of the society which was abandoned on account of the war, has been printed in the *Journal* of the American Chemical Society for December. The subject is "The Present Aspect of the Hypothesis of Compressible Atoms."

THE Perkin medal of the Society of Chemical Industry will be conferred on Dr. Edward Weston on the evening of January 22, at the Chemist's Club, New York City. Dr. Charles F. Chandler will present the medal and an address will be made by Dr. L. H. Baekeland.

ON January 20, 1915, the Medical Society of the District of Columbia held a memorial meeting in honor of the late Dr. A. F. A. King, who died on December 13, 1914. The following appreciations were presented: In Memoriam, Resolutions by Committee, Dr. D. S. Lamb; Biographical Sketch, Dr. Henry D. Fry; Dr. King as an Author, Dr. Barton Cooke Hirst; Doctor King on Mosquitoes and Malaria, Dr. L. O. Howard; Doctor King as a Teacher, Dr. Sterling Ruffin; Doctor King as Dean of the Medical School, Dr. D. K. Shute; Personal Characteristics, Dr. A. R. Shands.

THE Rev. Sir John Twisden, formerly professor of mathematics in the Staff College of the British army, has died at the age of nearly ninety years.

M. ALFRED FOURNIER, formerly professor of dermatology and syphiligraphy at the University of Paris, has died at the age of eighty-two years.